

IN THE CLAIMS

Please amend the claims as follows:

- 1-11. (Canceled)
12. (Currently Amended) An infrared heating apparatus for surface heating, the apparatus comprising infrared heating modules, each infrared heating module revolves on at least two Cartesian coordinate axes and each infrared heating module contains one or more infrared heaters, the infrared heaters supply line-of-sight radiative heat and the major dimension of any infrared heater defines an x-axis, and,
each infrared heating module is joined to at least one rotation swivel point such that a 360 degree rotation on an axis normal to x-axis and a 180 degree rotation on the x-axis is allowed, and each infrared heating module is attached to at least two swivel points and where at least one swivel point for a 360 degree rotation lies on a non-radiation side of the infrared heating module.
13. (Previously Presented) The apparatus of claim 12 with an adjustable frame comprising at least two or more orthogonal swivel points.
14. (Previously Presented) The apparatus of claim 12, wherein the apparatus is a die heater.
15. (Previously Presented) The apparatus of claim 12, wherein the apparatus is a paper dyer.
16. (Previously Presented) The apparatus of claim 12, wherein the apparatus is a paint remover.
17. (Currently Amended) The apparatus of claim 12, wherein the apparatus further comprises ~~is used with~~ a convective heating generator.

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18. (Currently Amended) The apparatus of claim 12, wherein the apparatus further comprises a means to introduce is used with a convective ionized gas to the apparatus.
19. (Currently Amended) An apparatus, comprising:
multiple radiative heaters; and
an adjustable frame;
the adjustable frame being expandable and contractible in one direction in one plane parallel to the radiative heaters, each radiative heater attached to the frame, each radiative heater configured to individually swivel in multiple directions while remaining attached to the frame, frame and the heaters combined with the frame are adjustable as a unit to provide complete radiative heating in a three dimensional space.
20. (Previously Presented) The apparatus of claim 19, wherein each heater is a 2 kilowatt infrared heater.
21. (Previously Presented) The apparatus of claim 20, wherein the multiple radiative heaters are arranged and affixed in two rows of five on the front of the frame and two more rows of five on the back of the frame.
22. (Previously Presented) The apparatus of claim 19, wherein some of the heaters are attached to a rear of the frame and other ones of the heaters are attached to a front of the frame.
23. (Currently Amended) The apparatus of claim 19, wherein each heater is individually attached to the frame via a clamping mechanism allowing bilateral adjustment of each heater.
24. (Currently Amended) The apparatus of claim 19, wherein each heater is selectively and individually removable ~~can be selectively removed~~ from the frame to provide different configurations of the apparatus.

25. (New) A method to apply radiative heat, comprising:
positioning of an infrared heating apparatus for surface heating, the apparatus having infrared heating modules, each infrared heating module including one or more infrared heaters, a major dimension of any given infrared heater defines an x-axis, and each infrared heating module is joined to at least one rotation point providing a 360 degree rotation on an axis normal to the x-axis and a 180 degree rotation on the x-axis is achievable, each infrared heating module is attached to at least two swivel points and at least one swivel point for a particular 360 degree of rotation lies on a non-radiation side of a given infrared heating module; and
supplying line-of-sight radiative heat via selective ones of the infrared heating modules configured via the apparatus to be directed at a given surface.
26. (New) The method of claim 25, wherein the given surface includes one or more dies that are being heated.
27. (New) The method of claim 25, wherein the given surface includes paint that is being removed.
28. (New) The method of claim 25, wherein the given surface includes paper that is being dried.